UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/700,101	11/03/2003	Christophe Ebro	5858P6166	2826

62663 7590 04/05/2007 DARBY & DARBY, P.C. P.O. BOX 5257 NEW YORK, NY 10150-5257	**EXAMINER** INGBERG, TODD D

ART UNIT	PAPER NUMBER
2193	

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	04/05/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

PTOL-90A (Rev. 10/06)

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _3_ MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on _19 March 2004_.

2a)☐ This action is **FINAL**.　　　2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) _1-23_ is/are pending in the application.

　　4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) _1-23_ is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on _03 November 2003_ is/are: a)☐ accepted or b)☒ objected to by the Examiner.

　　Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

　　Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

　　a)☐ All　b)☐ Some *　c)☒ None of:

　　　　1.☐ Certified copies of the priority documents have been received.

　　　　2.☐ Certified copies of the priority documents have been received in Application No. _____.

　　　　3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

　　* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _3/19/04_.

4)☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ .

5)☐ Notice of Informal Patent Application

6)☐ Other: _____ .

DETAILED ACTION

Claims 1 – 23 have been examined.

Information Disclosure Statement

1.   The Information Disclosure statement filed March 19, 2004 has been considered.

Priority

2.   Acknowledgment is made of applicant's claim for foreign priority based on an application

filed in France on May 3, 2001. It is noted, however, that applicant has not filed a certified copy

of the application as required by 35 U.S.C. 119(b).

Drawings

3.   Figure 1 should be designated by a legend such as --Prior Art-- because only that which is

old is illustrated. See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR

1.121(d) are required in reply to the Office action to avoid abandonment of the application. The

replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR

1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted

by the examiner, the applicant will be notified and informed of any required corrective action in

the next Office action. The objection to the drawings will not be held in abeyance.

Claim Objections

4.   Claims 1 – 6, 8 and 10-17 are objected to because of the following informalities: The

claims have more than one period in the claim. Appropriate correction is required.

Claim Rejections - 35 USC § 103

5.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

6.   Claims 1 – 23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Using

WebLogic JNDI, BEA Systems, published March 3, 2000 (IDS1) in view of JNDI Overview,

Part 2, An Introduction to Directory Services, Todd Sundsted, published February 2000 (IDS2).

Claim 1
IDS1 teaches a method of aiding deployment in a distributed computer system (Directory Services), using application software components, comprising:
a.   providing a tree representation (510) of objects existing in at least one of the application software components, the tree representation including an object as a leaf node (IDS1, page 3, tree), with at least one attribute of the object being in nexus between the root (IDS2, pages 2 – 4) and the leaf node (IDS1, page 3, Tree, attributes page 2, bullet 2), and
b.   providing an accessor object (511), comprising accessor methods (IDS2, pages 2 – 4) to the tree representation, said accessor methods having predefined names (IDS1, page 7, defaults) and functions (IDS2, pages 3 and 4 , methods). IDS1 teaches BEA JNDI specifics on building enterprise naming and directory services. IDS2 teaches an overview of JNDI Directory services. Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to combine the teachings of IDS1 and IDS2, because web services provides for seamless access to enterprise services without any knowledge of physical location (IDS1, page 2).
Claim 2
The method of claim 1, wherein: - stage a. comprises providing a tree representation (510) in which at least one of the tree nexus comprises data defining both an attribute name (IDS2, page 2, attr names)and an attribute value (IDS2, page 3, getter).

Claim 3
The method of claim 2, wherein stage b. comprises: b1. converting the tree representation (510) (IDS1, page 3, tree)into at least one set of data (E2-8; E2-9) connecting an attribute with a corresponding location in the tree, and b2. storing at least one set of data or a designation thereof in the accessor object (511). (IDS1, pages 6 – 7).

Claim 4
The method of claim 3, wherein stage b1. comprises converting the tree representation into a set of data (E2-8) connecting an attribute name with a corresponding location in the tree See the rejection for claim 1and IDS2, pages 4 - 5, set – enum).

Claim 5

The method of claim 3, wherein stage b1. comprises converting the tree representation into a set of data (E2-9) connecting an attribute value with a corresponding location in the tree. See the rejection for claim 1.

Claim 6
The method of claim 4, wherein stage b1. comprises converting the tree representation into a set of data (E2-9) connecting an attribute value with a corresponding location in the tree. (IDS2, pages 4 – 5 , Searching – set Enum).

Claim 7
The method as claimed in any of claim 1, wherein the attributes are arranged in the tree in accordance with a predefined order (IDS1, page 3, tree).

Claim 8
The method as claimed in any of claim 1, wherein stage b. comprises providing a plurality of accessor objects (511,521), with each accessor object comprising a domain identification, being readable through at least one (M1) of the accessor methods. (IDS1, page 2, object by name – bullet 1 and page 9).

Claim 9
The method of claim 8, wherein at least two of the accessor objects (511,521) access different sub-trees in the tree representation (IDS1, page 3, tree and page 14 – cluster).

Claim 10
The method as claimed in any of claim 8, further comprising the step of c. providing one or more handler objects (611,612), each accessing at least one of the accessor objects (511,521). IDS1, page 9, name – handler to object).

Claim 11
The method of claim 10, wherein stage c. comprises: c1. configuring the handler objects (611,612) to access accessor objects (511,521) corresponding to application software components being currently in service in the distributed computer system. (IDS1, page 9, bottom of page serializable).

Claim 12
The method of claim 11, wherein stage c1. uses attributes of the application software components. (IDS1, page 2, bullet 2)

Claim 13
The method of claim 10, further comprising the stage of in at least one client software application, providing a lookup service (711), adapted to communicate with at least one handler object (612). (IDS1, page 8, thread)

Claim 14

The method as claimed in any of claim 1, wherein said accessor methods of stage b. comprise a method to retrieve supported attribute names. (IDS1, page 2, bullet2).

Claim 15
The method as claimed in any of claim 1, wherein said accessor methods of stage b. comprise a method for exact search in the tree representation. (IDS1, page 13, middle) .

Claim 16
The method as claimed in any of claim 1, wherein said accessor methods of stage b. comprise a method for near search in the tree representation. (IDS1, page 12, top)

Claim 17
The method as claimed in any of claim 1, wherein said accessor methods of stage b. comprise a method capable of navigating up in the tree to find a leaf node. (IDS1, page 3 – tree traversing tree in lookup inherent in tree structures)

Claim 20
The article of claim 17, wherein the accessor object (511) has a predefined name (IDS1, page 14 – predefined to support distributed systems).

Claim 21
The article of claim 17 further comprising: - a second tree access code, adapted to access the first tree access code. IDS1, page 9, binding and hash with second structure.

Claim 22
The article of claim 21, wherein said second tree access code comprises a handler object (612). IDS1, page 9, binding and hash with second structure.

Claim 23
The article of claim 21 further comprising: - a third code for incorporation in at least one client software application, said third code providing a lookup service (711), adapted to communicate with the second tree access code. IDS1, page 2 last bullet (client) and lookup page 8 bottom .

Claim 18
An article of manufacture for reorganizing data in an original log file, the article comprising: - data defining a tree representation (510) of objects existing in at least one application software component, the tree representation including an object as a leaf node, with the attributes of the object being in nexus between the root and the leaf node, and - first tree access code (511) attaching accessor methods to the tree representation, said accessor methods having predefined names and functions. See the rejection for claim 1 and claim 17 (Directory Services building)
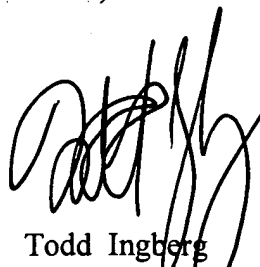
Claim 19
The article of claim 18, wherein said first tree access code comprises an accessor object (511), comprising the accessor methods. See the rejection for claim 1.

Correspondence Information

7.   Any inquiry concerning this communication or earlier communications from the

· examiner should be directed to Todd Ingberg whose telephone number is (571) 272-3723. The

examiner can normally be reached on during the work week..

  If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Meng-Ai An can be reached on (571) 272-3756. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

  Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would

like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Todd Ingberg
Primary Examiner
Art Unit 2193

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